

ABSTRACT OF THE DISCLOSURE

An IC module, such as a Multi-Chip Module (MCM), includes multiple IC dice, each having a test mode enable bond pad, such as an output enable pad. A fuse incorporated into the MCM's substrate connects each die's test mode enable bond pad to one of the MCM's no-connection (N/C) pins, and a resistor incorporated into the substrate connects the test mode enable bond pads to one of the MCM's ground pins. By applying a supply voltage to the test mode enable bond pads through the N/C pin, a test mode is initiated in the dice. Once testing is complete, the fuse may be blown, and a ground voltage applied to the test mode enable bond pads through the ground pins so the resistor disables the test mode in the dice and initiates an operational mode. As a result, dice packaged in IC modules may be tested after packaging